

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S380	0	10/730454.pn. and pd498	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:39
S381	0	10/730454 and pd489	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:39
S382	1	10/730454 and pd498	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:40
S383	387	(olsen or rogger or ernst).in. and (epitope)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:32
S384	100	(olsen or rogger or ernst).in. and (epitope).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:34
S385	76	(olsen or rogger or ernst).in. and (epitope and variant).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 21:01
S386	4	(olsen or rogger or ernst).in. and (epitope and variant and immunogenicity).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:55
S387	15	("6245901" or "6303752" or "6106828" or "5981718" or "6638526" or "6114509" or "6461849" or "6201110" or "6623950").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:56

## EAST Search History

S38 8	10	S387 and (epitope)".clm"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:56
S38 9	0	S387 and (epitope).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:56
S39 0	0	S387 and (variant).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 20:56
S39 1	4	(olsen or rogger or ernst).in. and (epitope and variant and allergenicity).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 21:01
S39 2	0	S391 not S386	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 21:01
S39 3	4	(olsen or rogger or ernst).in. and (epitope and variant and parent). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 21:01
S39 4	0	(olsen or rogger or ernst).in. and (epitope and variant and wildtype). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 21:01
S39 5	1	(olsen or rogger or ernst).in. and (epitope and variant and (wild adj type)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 21:27

## EAST Search History

S39 6	268	protein same immunogenicity same (reduce or reduction or reducing) same epitope	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:03
S39 7	0	wo9210755	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:03
S39 8	0	wo9210755.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:03
S39 9	0	"199210755".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:03
S40 0	0	wo9210755.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:04
S40 1	0	wo199210755	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:04
S40 2	0	wo1992010755	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:04
S40 3	0	"1992010755"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:06

## EAST Search History

S40 4	4	protein adj variant same immunolo\$ same modify	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:08
S40 5	6	((protein adj variant) same immuno\$) and pd498	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:09
S40 6	7	(protein adj variant) and pd498	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:10
S40 7	0	wo9617929.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:12
S40 8	2726112	wo "9617929".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:12
S40 9	0	wo199617929.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:12
S41 0	0	"199617929".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:12
S41 1	2	"9617929".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:14

## EAST Search History

S41 2	3	"9311794".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:14
S41 3	2	"9621016".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:14
S41 4	4	"9211018".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:15
S41 5	2	"9621016".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:15
S41 6	6	"8604145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:15
S41 7	5	"577243".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/02 22:16
S41 8	23	pd498 same bacillus	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:33
S41 9	18	pd498 same bacillus same protease	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:22

## EAST Search History

S42 0	0	(pd498 same bacillus same protease) and lenus	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:34
S42 1	13	(pd498 same bacillus same protease) and lentus	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:53
S42 2	16	(pd498 same bacillus same protease) and subtilisin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:53
S42 3	1	10/730454 and (epitope adj pattern).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:57
S42 4	1	10/730454 and (epitope adj pattern)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:39
S42 5	18	pd498 same bacillus same protease	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:22
S42 6	0	S425 and rypr	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:22
S42 7	1	10/730454 and (pd498)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 16:09

## EAST Search History

S42 8	3	"9855133".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/03 16:10
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FILE 'REGISTRY' ENTERED AT 16:00:54 ON 03 NOV 2006

FILE 'REGISTRY' ENTERED AT 16:02:17 ON 03 NOV 2006  
5853 RYPR/SQSP

L1

FILE 'CAPLUS' ENTERED AT 16:04:02 ON 03 NOV 2006

L2

81 L1 AND (EPITOPE)

L3

12 L2 AND MUTAT?

L4

11 L3 AND PATENT/DT

L5

5 S L2 AND PROTEASE

L6

6 L1 AND (EPITOPE (A) MAPPING)

L7

6 DUP REM L6 (0 DUPLICATES REMOVED)

L8

3 S L6 AND PATENT/DT

L9

6 S L7

L10

3 L7 NOT L8



(FILE 'HOME' ENTERED AT 14:22:30 ON 03 NOV 2006)

FILE 'CAPLUS' ENTERED AT 14:22:43 ON 03 NOV 2006

L1 2 BACILLUS (S) ALKALINE (S) PROTEASE (S) PD498  
L2 0 PD498 (S) STRUCTURE